

WHAT IS CLAIMED IS:

1. An information communication system,  
comprising:

two or more information communication apparatuses  
connected to each other by a network and including first  
and second information communication apparatuses;

said first information communication apparatus  
having communication information necessary for  
communication through said network set therein in  
advance;

said first information communication apparatus  
being connected to said second information communication  
apparatus by a wire circuit;

said first and second information apparatuses being  
operable, when a predetermined signal based on an  
operation of a user is inputted individually to said  
first and second information apparatuses, such that said  
first information communication apparatus transmits the  
communication information to said second information  
communication apparatus through said wire circuit and  
said second information communication apparatus sets the  
communication information transmitted thereto from said  
first information communication apparatus, whereafter  
said first and second information communication apparatus

utilize the communication information set therein to perform communication therebetween.

2. An information communication method for an information communication system wherein two or more information communication apparatuses including first and second information communication apparatus are connected to each other by a network, said first information communication apparatus having communication information necessary for communication through said network set therein in advance, said first information communication apparatus being connected to said second information communication apparatus by a wire circuit, said information communication method being performed when a predetermined signal based on an operation of a user is inputted individually to said first and second information apparatuses, said information communication method comprising:

a step performed by said first information communication apparatus of transmitting the communication information to said second information communication apparatus through said wire circuit;

another step performed by said second information communication apparatus of setting the communication information transmitted thereto from said first

information communication apparatus; and

a further step performed by said first and second information communication apparatus of utilizing the communication information set therein to perform communication therebetween.

3. An information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

connection means for establishing a connection to said different information communication apparatus through a wire circuit;

input means for inputting a trigger signal to start setting necessary for said information communication apparatus to communicate with said different information communication apparatus through said network; and

transmission control means for controlling, when a request for transmission of communication information necessary for communication through said network is received from said different information communication apparatus connected to said connection means through said wire circuit after the trigger signal is inputted from said input means, transmission of the communication information set in advance in said information

communication apparatus to said different information communication apparatus through said connection means and said wire circuit.

4. An information communication apparatus according to claim 3, wherein said network is a radio network.

5. An information communication apparatus according to claim 3, wherein said input means is a button of hardware.

6. An information communication apparatus according to claim 3, wherein the communication information includes at least one of identification information of said network and information regarding the security.

7. An information communication apparatus according to claim 6, wherein the identification information of said network is a Service Set Identification.

8. An information communication apparatus according to claim 6, wherein the information regarding the security is a Wired Equivalent Privacy key.

9. An information communication apparatus according to claim 3, further comprising encryption means for encrypting the communication information at least

once, said transmission control means controlling the transmission of the communication information encrypted by said encryption means.

10. An information communication method for an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

a transmission control step of controlling, when a request for transmission of communication information necessary for communication through said network is received from said different information communication apparatus connected to said information communication apparatus through a wire circuit after a trigger signal for starting setting necessary for performing communication with said different information communication apparatus through said network is inputted, transmission of the communication information set in advance in said information communication apparatus to said different information communication apparatus through said wire circuit.

11. A program for causing a computer, which controls an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, to

execute:

a transmission control step of controlling, when a request for transmission of communication information necessary for communication through said network is received from said different information communication apparatus connected to said information communication apparatus through a wire circuit after a trigger signal for starting setting necessary for performing communication with said different information communication apparatus through said network is inputted, transmission of the communication information set in advance in said information communication apparatus to said different information communication apparatus through said wire circuit.

12. An information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

connection means for establishing a connection to said different information communication apparatus through a wire circuit;

input means for inputting a trigger signal to start setting necessary for said information communication apparatus to communicate with said different information

communication apparatus through said network;

transmission control means for controlling, after the trigger signal is inputted from said input means, transmission of request information for requesting for communication information necessary for communication through said network to said different information communication apparatus through said connection means and said wire circuit;

reception control means for controlling, when the communication information is transmitted from said different information apparatus to said information communication apparatus through said wire circuit in response to the request information transmitted under the control of said transmission control means, reception of the communication information through said connection means; and

setting means for setting the communication information received under the control of said reception control means.

13. An information communication apparatus according to claim 12, wherein said network is a radio network.

14. An information communication apparatus according to claim 13, further comprising conversion

means for converting a signal transmitted through said radio network to said information communication apparatus into a signal which can be transmitted by said wire circuit and converting a signal transmitted through said wire circuit into a signal which can be transmitted in said radio network.

15. An information communication apparatus according to claim 13, wherein said information communication apparatus is a personal computer card for a radio local area network.

16. An information communication apparatus according to claim 12, wherein said input means is a button of hardware.

17. An information communication apparatus according to claim 12, wherein the communication information includes at least one of identification information of said network and information regarding the security.

18. An information communication apparatus according to claim 17, wherein the identification information of said network is a Service Set Identification.

19. An information communication apparatus according to claim 17, wherein the information regarding



the security is a Wired Equivalent Privacy key.

20. An information communication apparatus according to claim 12, wherein the communication information received under the control of said reception control means is encrypted at least once, said information communication apparatus further comprising decryption means for decrypting the encrypted communication information received under the control of said reception control means, said setting means setting the communication information decrypted by said decryption means.

21. An information communication method for an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

a transmission control step of controlling, after the trigger signal for starting setting necessary to communicate with said different information communication apparatus through said network is inputted to said information communication apparatus, transmission of request information for requesting for communication information necessary for communication through said network to said different information communication apparatus through said wire circuit;

a reception control step of controlling, when the communication information is transmitted from said different information apparatus to said information communication apparatus through said wire circuit in response to the request information transmitted under the control of the process at the transmission control step, reception of the communication information by said information communication apparatus; and

a setting step of setting the communication information received under the control of the process at the reception control step to said information communication apparatus.

22. A program for causing a computer, which controls an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, to execute:

a transmission control step of controlling, after the trigger signal for starting setting necessary to communicate with said different information communication apparatus through said network is inputted to said information communication apparatus, transmission of request information for requesting for communication information necessary for communication through said

network to said different information communication apparatus through said wire circuit;

a reception control step of controlling, when the communication information is transmitted from said different information apparatus to said information communication apparatus through said wire circuit in response to the request information transmitted under the control of the process at the transmission control step, reception of the communication information by said information communication apparatus; and

a setting step of setting the communication information received under the control of the process at the reception control step to said information communication apparatus.

23. An information communication system, comprising:

two or more information communication apparatuses connected to each other by a network and including first and second information communication apparatus;

said first information communication apparatus having communication information necessary for communication through said network set therein in advance;

said first information communication apparatus

transmitting, when a request for transmission of the communication information is received from said second information communication apparatus through a wire circuit before a predetermined first period of time elapses after said first information communication apparatus starts setting for performing communication with said second information communication apparatus through said network, the communication information to said second information communication apparatus through said wire circuit;

said second information communication apparatus setting, when the communication information for which said second information communication apparatus has requested to said first information communication apparatus through said wire circuit is transmitted to said second information communication apparatus from said first information communication apparatus through said wire circuit before a predetermined second period of time elapses after setting for performing communication with said first information communication apparatus through said network is started, the communication information transmitted thereto from said first information communication apparatus;

said first and second communication apparatus

thereafter utilizing the communication information set therein to perform communication therebetween.

24. An information communication method for an information communication system wherein two or more information communication apparatuses including first and second information communication apparatus are connected to each other by a network and said first information communication apparatus has communication information necessary for communication through said network set therein in advance, comprising:

a step performed by said first information communication apparatus of transmitting, when a request for transmission of the communication information is received from said second information communication apparatus through a wire circuit before a predetermined first period of time elapses after said first information communication apparatus starts setting for performing communication with said second information communication apparatus through said network, the communication information to said second information communication apparatus through said wire circuit;

another step performed by said second information communication apparatus of setting, when the communication information for which said second

information communication apparatus has requested to said first information communication apparatus through said wire circuit is transmitted to said second information communication apparatus from said first information communication apparatus through said wire circuit before a predetermined second period of time elapses after setting for performing communication with said first information communication apparatus through said network is started, the communication information transmitted thereto from said first information communication apparatus; and

a further step performed by said first and second communication apparatus of utilizing the communication information set therein to perform communication therebetween.

25. An information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

connection means for establishing a connection to said different information communication apparatus through a wire circuit; and

transmission control means for controlling, when a request for transmission of communication information

necessary for communication through said network is received from said different information communication apparatus connected to said connection means through said wire circuit before a predetermined period of time elapses after setting for performing communication with said different information communication apparatus through said network is started, transmission of the communication information set in advance in said information communication apparatus to said different information communication apparatus through said connection means and said wire circuit.

26. An information communication method for an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

a transmission control step of controlling, when a request for transmission of communication information necessary for communication through said network is received from said different information communication apparatus connected to said information communication apparatus through said wire circuit before a predetermined period of time elapses after setting for performing communication with said different information communication apparatus through said network is started,

transmission of the communication information set in advance in said information communication apparatus to said different information communication apparatus through said wire circuit.

27. A program for causing a computer, which controls an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, to execute:

a transmission control step of controlling, when a request for transmission of communication information necessary for communication through said network is received from said different information communication apparatus connected to said information communication apparatus through said wire circuit before a predetermined period of time elapses after setting for performing communication with said different information communication apparatus through said network is started, transmission of the communication information set in advance in said information communication apparatus to said different information communication apparatus through said wire circuit.

28. An information communication apparatus which communicates with a different information communication



apparatus connected to a network through said network,  
comprising:

connection means for establishing a connection to  
said different information communication apparatus  
through a wire circuit;

transmission control means for controlling, when  
setting for performing communication with said different  
information communication apparatus through said network  
is started, transmission of request information for  
requesting for communication information necessary for  
communication through said network to said different  
information communication apparatus through said  
connection means and said wire circuit;

reception control means for controlling, when the  
communication information is transmitted from said  
different information communication apparatus to said  
information communication apparatus through said wire  
circuit in response to the request information  
transmitted under the control of said transmission  
control means, reception of the communication information  
through said connection means; and

setting means for setting the communication  
information to said information communication apparatus  
when the reception of the communication information by

said reception control means comes to an end before a predetermined period of time elapses after the setting is started.

29. An information communication method for an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, comprising:

a transmission control step of controlling, when setting for performing communication with said different information communication apparatus through said network is started by said information communication apparatus, transmission of request information for requesting for communication information necessary for communication through said network to said different information communication apparatus through said wire circuit;

a reception control step of controlling, when the communication information is transmitted from said different information communication apparatus to said information communication apparatus through said wire circuit in response to the request information transmitted under the control of the process at the transmission control step, reception of the communication information by said information communication apparatus; and

a setting step of setting the communication information to said information communication apparatus when the reception of the communication information by the process at the reception control step comes to an end before a predetermined period of time elapses after the setting is started.

30. A program for causing a computer, which controls an information communication apparatus which communicates with a different information communication apparatus connected to a network through said network, to execute:

a transmission control step of controlling, when setting for performing communication with said different information communication apparatus through said network is started by said information communication apparatus, transmission of request information for requesting for communication information necessary for communication through said network to said different information communication apparatus through said wire circuit;

a reception control step of controlling, when the communication information is transmitted from said different information communication apparatus to said information communication apparatus through said wire circuit in response to the request information

transmitted under the control of the process at the transmission control step, reception of the communication information by said information communication apparatus; and

a setting step of setting the communication information to said information communication apparatus when the reception of the communication information by the process at the reception control step comes to an end before a predetermined period of time elapses after the setting is started.